

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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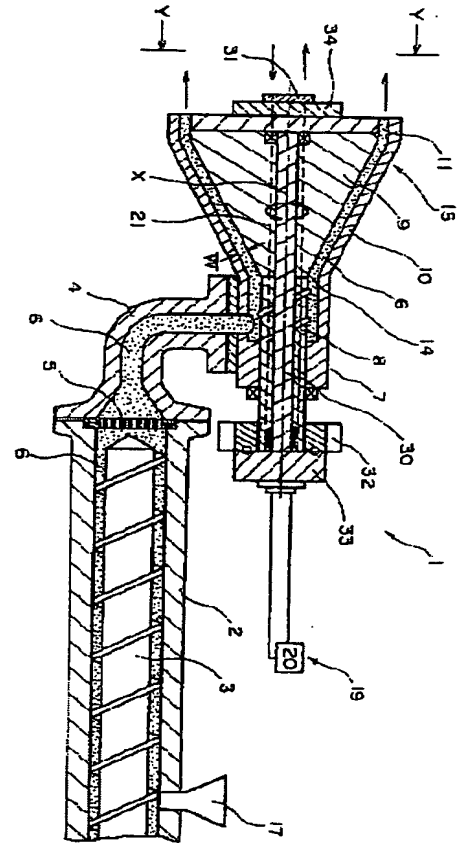
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INVENTOR : MIWA TOMOHIRO;

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TITLE : METHOD AND APPARATUS FOR  
MANUFACTURING SHORT FIBER-  
CONTAINING FORMED ITEM



ABSTRACT : PROBLEM TO BE SOLVED: To provide a method and an apparatus for manufacturing a short fiber-containing rubber formed item which can produce a cylindrical extruded item containing the short fiber orientated in a circumferential direction by giving the short fiber-containing rubber a stretch and a shear force gradually increasing toward a discharge aperture in the circumferential direction.

SOLUTION: A cylindrical formed item containing a short fiber orientated in a circumferential direction is obtained by extruding a short fiber containing rubber by use of a conical inner die 9 having a diameter gradually increasing toward a discharge aperture connected to a mandrel 8, the inner die housed in an outer die 10 wherein the inner die 10 is rotated around the center of the axis to give the short fiber-containing rubber a stretch and a shear force gradually increasing toward the discharge aperture 11.

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